

SECURITY DOOR APPARATUS

CROSS REFERENCE TO RELATED APPLICATION

[0001] This Nonprovisional application claims priority under 35 U.S.C. § 119(a) on Patent Application No(s). 2003-111169 filed in JAPAN on April 16, 2003, the entire contents of which is hereby incorporated by reference.

Field of the Invention

[0002] The present invention relates to a security door apparatus for a condominium, a single-family house, and other entrance doors in the building field.

Background of the Invention

[0003] Recently, there have been ill-intentioned visitors to condominiums or single-family houses disguised as a door-to-door delivery person or a door-to-door sales person. Once the entrance door is opened, such an unwanted visitor may prove difficult to turn away or may in fact turn out to be an intruder.

[0004] To prevent this, a door scope or a TV camera, etc., at the entrance door has been used to confirm the identity of the visitor. However, such a device does not allow the receiver to confirm the entire image of the visitor easily and sufficiently. When the identity of the visitor is confirmed via the opening part between a door and a door opening frame joined by a door chain, the opening part is very narrow and thus the receiver must open the door completely since he/she cannot receive a delivered package, etc. This has been a cause of difficulty in

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